

WHAT IS CLAIMED IS:

1. A laminated material comprising:
a cover layer, and
a porous material layer,
wherein the cover layer is laminated on the porous material layer.
2. The laminated material of claim 1, wherein the porous material layer comprises a spacer fabric including a plurality of fabric layers.
3. The laminated material of claim 1, wherein the cover layer comprises leather.
4. The laminated material of claim 1, wherein the cover layer comprises a poly-vinyl chloride polymer coated material.
5. The laminated material of claim 1, wherein the cover layer comprises a body cloth fabric.
6. The laminated material of claim 1, wherein the cover layer comprises a thermoplastic olefin coated material.
7. The laminated material of claim 1, wherein the cover layer comprises a polyurethane coated material.
8. The laminated material of claim 1, wherein the cover layer comprises a perforated continuous surface.
9. The laminated material of claim 1, wherein a stitch is sewn along edges of the cover layer and the porous material layer.
10. A laminated material comprising:

a cover layer, and
a spacer fabric comprising:
 a first fabric layer,
 a pile layer, and
 a second fabric layer,
wherein the cover layer is laminated on the spacing fabric.

11. The laminated material of claim 10, wherein the cover layer is laminated to the first fabric layer.

12. The laminated material of claim 10, wherein the cover layer comprises leather.

13. The laminated material of claim 10, wherein the cover layer comprises a polyvinyl chloride polymer coated material.

14. The laminated material of claim 10, wherein the cover layer comprises a body cloth fabric.

15. The laminated material of claim 10, wherein the cover layer comprises a thermoplastic olefin coated material.

16. The laminated material of claim 10, wherein the cover layer comprises a polyurethane coated material.

17. The laminated material of claim 10, wherein the cover layer comprises a perforated continuous surface.

18. The laminated material of claim 10, wherein the pile layer comprises 100% by weight polyester monofilament fiber.

19. The laminated material of claim 10, wherein the pile layer comprises a yarn having a size is in the range of 30 to 1200 denier.
20. The laminated material of claim 10, wherein the denier of yarn in said first fabric layer is in the range of 40 to 1200 denier.
21. The laminated material of claim 10, wherein said first and said second fabric layers comprise multifilament flat or textured yarns.
22. The laminated material of claim 10, wherein the thickness of the spacer fabric is approximately 4 to 60 mm.
23. The laminated material of claim 10, wherein the air permeability of the first fabric layer is different than the air permeability of the second fabric layer.
24. The laminated material of claim 10, wherein the pile layer connects the first fabric layer and the second fabric layer together.
25. The laminated material of claim 10, wherein the second fabric layer comprises a honeycomb pattern.
26. The laminated material of claim 10, wherein the air permeability of a first portion of the second fabric layer is greater than the air permeability of the remainder of the second fabric layer.
27. The laminated material of claim 26, wherein the first fabric layer includes a second portion aligned opposite the first portion of the second fabric layer; wherein the air permeability of the second portion of the first fabric layer is less than the air permeability of the remainder of the first fabric layer.

28. The laminated material of claim 27, wherein the first fabric layer includes a third portion adjoining the second portion; and wherein the air permeability of the third portion increases with increasing distance from the second portion.
29. The laminated material of claim 10, wherein the spacer fabric is configured to distribute air flow through the spacer fabric to heat or cool the cover layer.
30. The laminated material of claim 1, wherein the porous material layer adjoins an air manifold.
31. The laminated material of claim 1, further comprising a flame retardant adhesive for laminating the cover layer to the porous material layer.
32. The laminated material of claim 1, further comprising a solvent-based flame retardant polyurethane adhesive for laminating the cover layer to the porous material layer.
33. The laminated material of claim 1, wherein the cover layer is laminated to the porous material layer by a thermoset process.
34. The laminated material of claim 1, wherein the cover layer is laminated to the porous material layer by a cold curing adhesive.
35. The laminated material of claim 1, wherein the cover layer is laminated to the porous material layer by a UV curable adhesive.
36. The laminated material of claim 1, wherein the cover layer is welded to the porous material layer by radio frequency welds along the perimeter of the layer.
37. The laminated material of claim 1, wherein the cover layer is welded to the porous material layer by ultrasonic welds along the perimeter of the layer.

38. The laminated material of claim 1, wherein the cover layer is welded to the porous material layer by thermal welds along the perimeter of the layers.
39. The laminated material of claim 1, wherein the cover layer is welded to the porous spacer material layer by dielectric welds along the perimeter of the layers.
40. A seat comprising:
a cover layer, and
a porous material
wherein the cover layer is laminated on the porous material.
41. The seat of claim 40, wherein the porous material comprises a spacer fabric.
42. The seat of claim 40, wherein the porous material comprises a reticulated foam.
43. The seat of claim 40, wherein the porous material comprises a nonwoven textile.
44. The seat of claim 40, wherein the spacer fabric comprises:
a first fabric layer,
a pile layer, and
a second fabric layer.
45. The seat of claim 40, wherein the cover layer comprises leather.
46. The seat of claim 40, wherein the cover layer comprises a poly-vinyl chloride polymer coated material.
47. The seat of claim 40, wherein the cover layer comprises a bodycloth fabric.

48. The seat of claim 40, wherein the cover layer comprises a thermoplastic olefin coated material.
49. The seat of claim 40, wherein the cover layer comprises a polyurethane coated material.
50. The seat of claim 40, further comprising a forced air system configured to control the temperature of the cover layer.
51. The seat of claim 50, wherein the air flow system comprises electrically driven fans.
52. The seat of claim 50, wherein the second fabric layer adjoins an air manifold.
53. A material including a spacer fabric covered by a cover layer, wherein the cover layer is laminated to the spacer fabric so that the top surface of the material is substantially smooth except for secondary patterning on the cover layer so that the spacer fabric layer substructure is not apparent.
54. A laminated material comprising:
a cover layer, and
a porous material layer,
wherein the cover layer is laminated on the porous material layer and wherein the porous material layer comprises a plurality of layers at least one of the layers being a layer of spacer fabric; wherein the layers of the porous material layer are laminated together.